A.I.A. File No. 16-E

3 GREAT ALUMINUM WINDOWS

custom quality

The PER-FIT® Line

economy construction

modern design

ARCHITECTS
specify them because they appreciate their superior design.

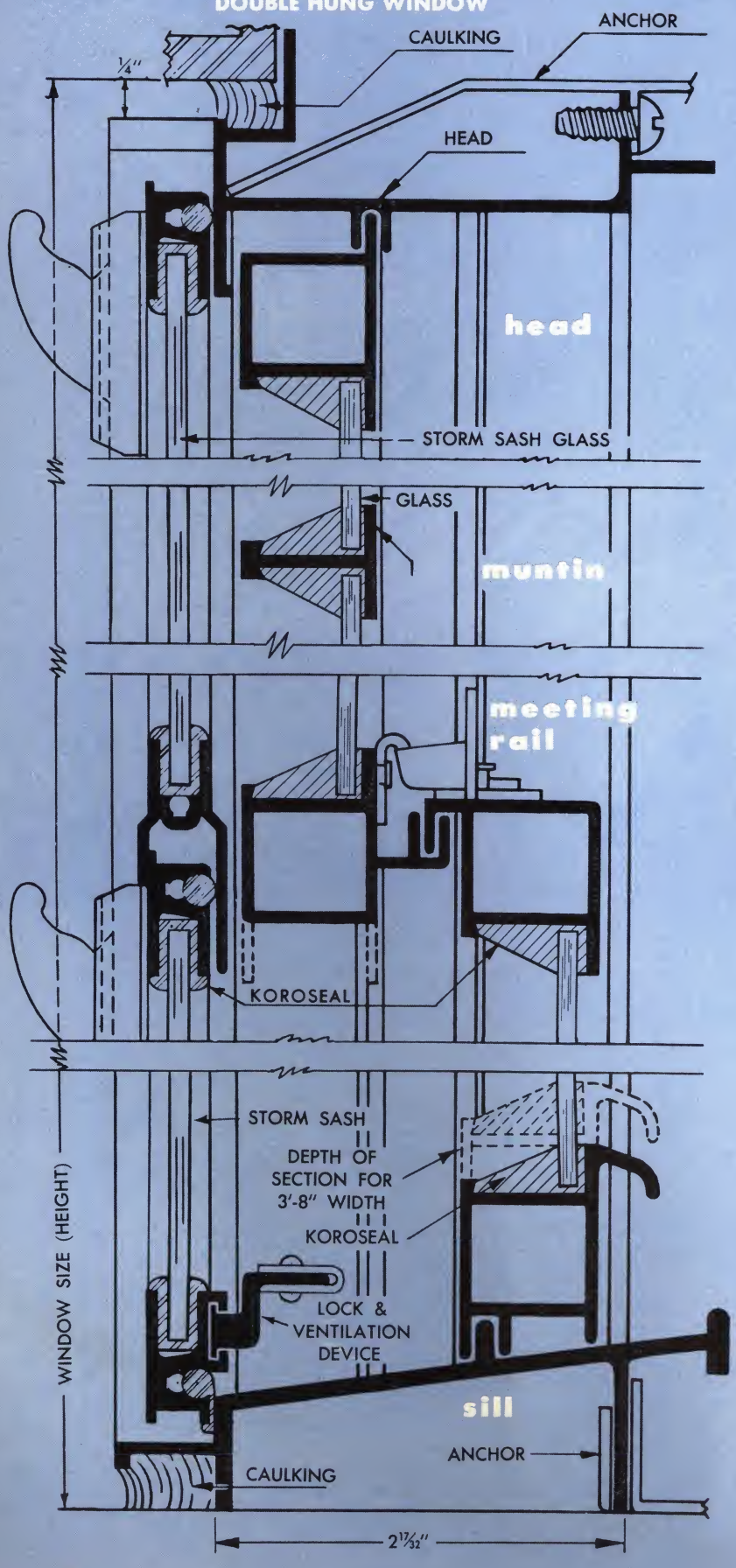
BUILDERS
use them because they help sell houses.

OWNERS
prefer them for their, maintenance-free beauty.

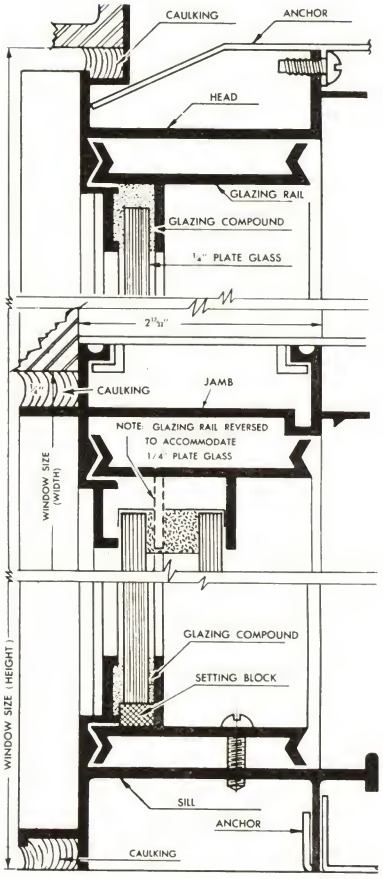
A.I.A. File No. 16-E

PER-FIT SERIES 100
FULL SIZE DETAILS

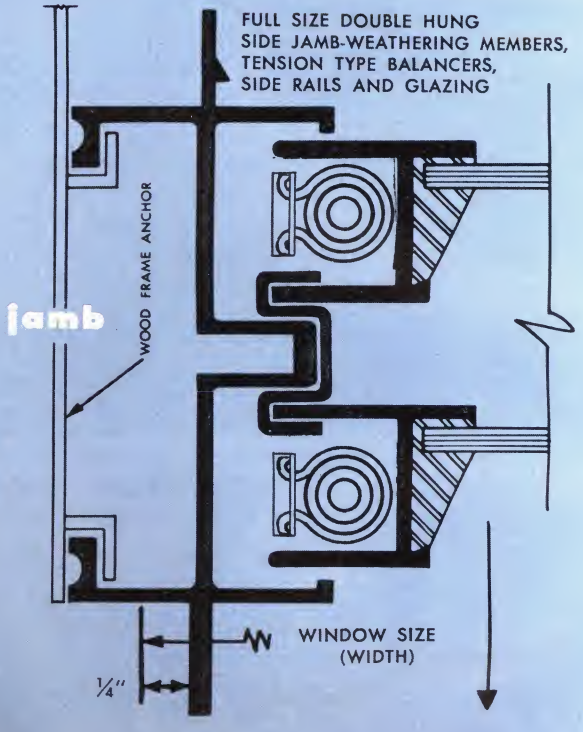
DOUBLE HUNG WINDOW



PICTURE WINDOW
Scale 1/2 Size



FULL SIZE DOUBLE HUNG SIDE JAMB-WEATHERING MEMBERS, TENSION TYPE BALANCERS, SIDE RAILS AND GLAZING



GENERAL

Per-Fit, the standard of quality of all commodity type double hung aluminum windows, is characterized by heavy sill sections, extra heavy zinc side-rail weathering, fluted mullion covers, and an unusual gracefulness in finished appearance. Consequently, Per-Fit is often chosen for institutional and commercial work at substantial savings. However, Per-Fit is primarily a residential window applicable to any style or class house. Matching picture window frames available.

MULLIONS

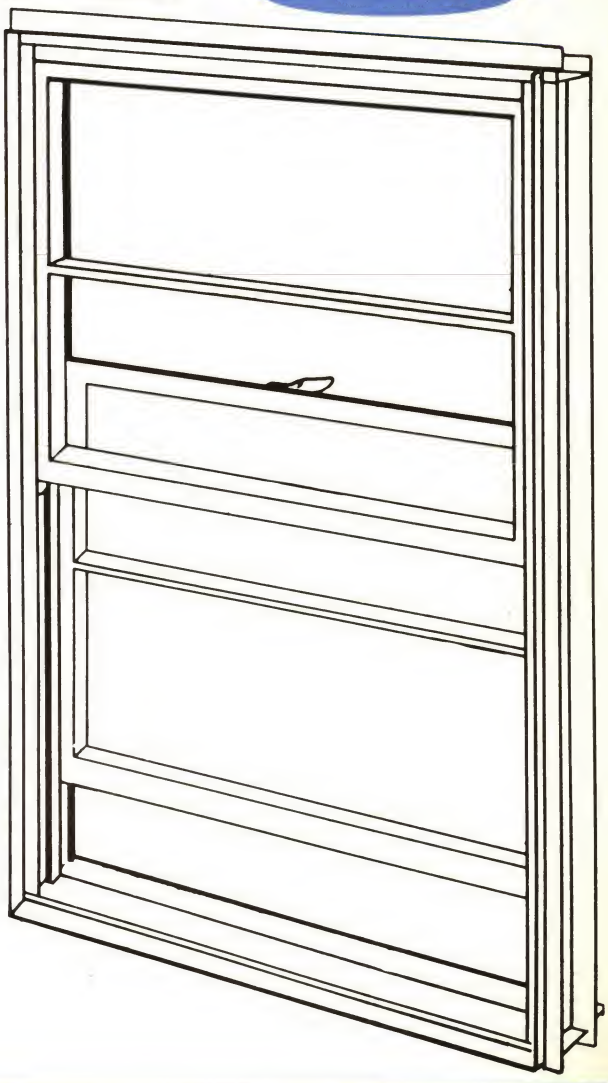
A rigid double seal is achieved in multiple units. Fluted extruded aluminum mullion covers for straight mullions provide a graceful, modern appearance. (See Mullion Details on Page 5.)

STORM SASH AND SCREENS

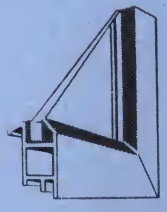
Two-piece storm sash incorporates a Koroseal weathering gasket to provide non-metallic contact between storm sash and window frames. Easily installed from the inside, ventilation is obtained by extending the locking arms and projecting the lower half. Aluminum framed full screens, with center horizontal re-inforcing bar, available as standard.

SPECIFICATIONS

See page 5.



features

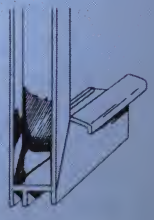


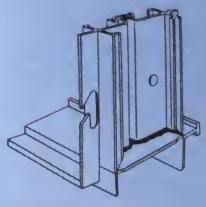
KOROSEAL GLAZED

Pioneered by Per-Fit in 1946 and now acknowledged by the window industry as the finest glazing type material possible to use. An extruded vinyl material which neither hardens, softens nor shrinks under extreme climatic changes. Per-Fit may be job glazed.

INTERNALLY WELDED SASH CORNERS

The only standard aluminum window with all sash corners internally welded for strength and perfect joinery. A feature normally found only on custom built windows.





WELDED FRAME CORNERS

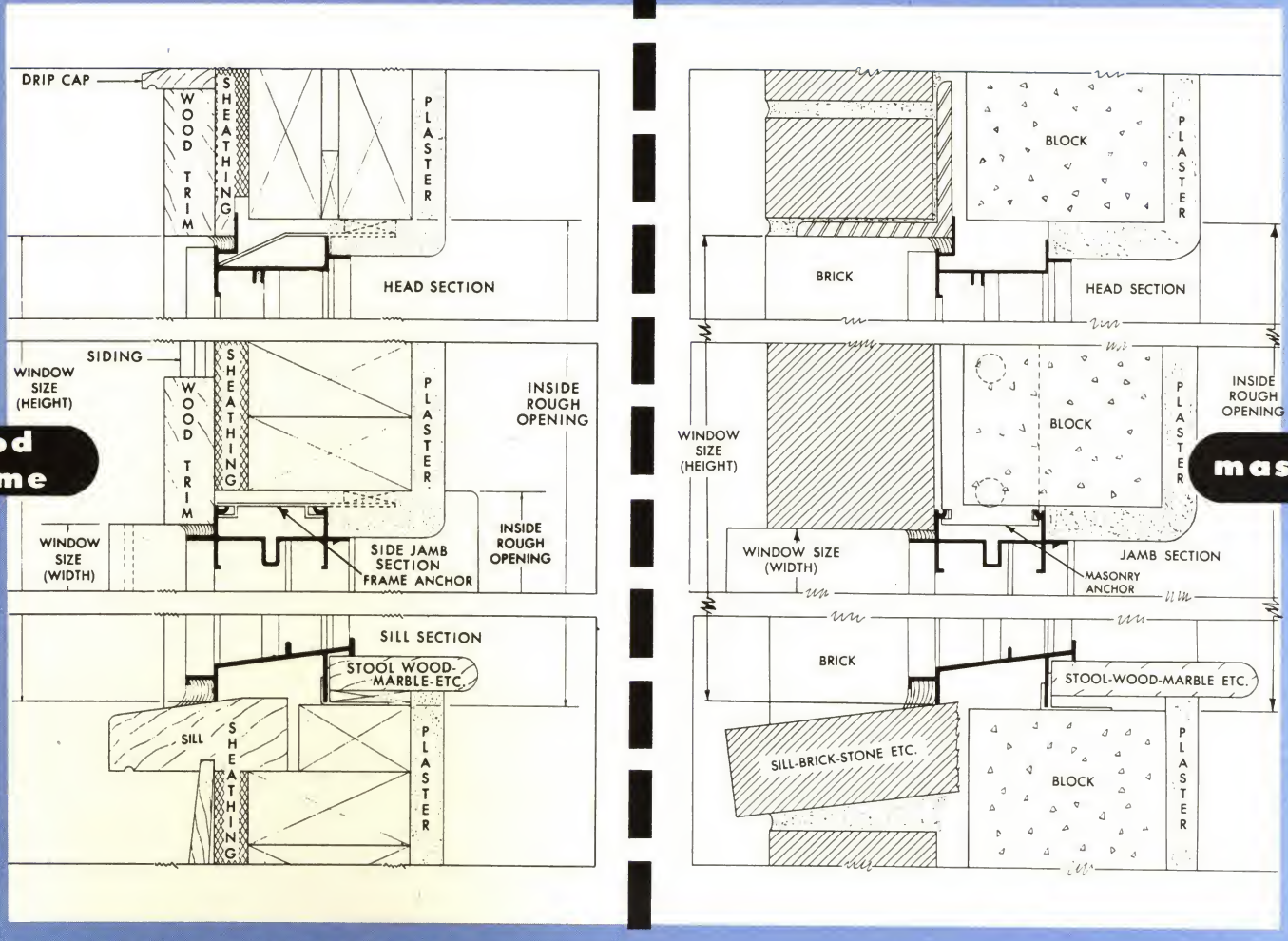
The jamb section of the frame is continuously welded to the extra strong sill section, providing strength and permanence at this critical point. A feature exclusive with Per-Fit.

TWO BALANCER TYPES AVAILABLE

Per-Fit is normally shipped with adjustable tension-type balancers contcined in the side members of the sash frame. Where special job conditions require, and the window quantity is practicable, Per-Fit can be equipped with tape type balancers.

PER-FIT SERIES 100
INSTALLATION DETAILS

Scale 3"=1'0"

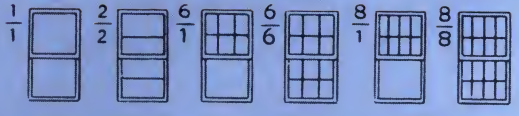


SIZES AND DIMENSIONS

DOUBLE HUNG UNITS

WINDOW SIZE	INSIDE ROUGH OPENING		OUTSIDE FINISHED OPENING (WINDOW SIZE)		GLASS AREA	VENTILATING AREA
	Width	Height	Width	Height	Square Feet	Square Feet
1630	1'7½"	3'0⅜"	1'6"	3'0"	3.05	1.84
1640	1'7½"	4'0⅜"	1'6"	4'0"	4.26	2.52
1648	1'7½"	4'8⅜"	1'6"	4'8"	5.07	2.96
1650	1'7½"	5'0⅜"	1'6"	5'0"	5.88	3.19
2030	2'1½"	3'0⅜"	2'0"	3'0"	4.30	2.53
2040	2'1½"	4'0⅜"	2'0"	4'0"	6.02	3.45
2048	2'1½"	4'8⅜"	2'0"	4'8"	7.16	4.07
2050	2'1½"	5'0⅜"	2'0"	5'0"	8.30	4.37
2430	2'5½"	3'0⅜"	2'4"	3'0"	5.14	2.99
2440	2'5½"	4'0⅜"	2'4"	4'0"	7.19	4.08
2448	2'5½"	4'8⅜"	2'4"	4'8"	8.55	4.80
2450	2'5½"	5'0⅜"	2'4"	5'0"	9.91	5.17
2830	2'9½"	3'0⅜"	2'8"	3'0"	5.98	3.45
2840	2'9½"	4'0⅜"	2'8"	4'0"	8.36	4.70
2848	2'9½"	4'8⅜"	2'8"	4'8"	9.94	5.54
2850	2'9½"	5'0⅜"	2'8"	5'0"	11.53	5.96
3030	3'1½"	3'0⅜"	3'0"	3'0"	6.81	3.90
3040	3'1½"	4'0⅜"	3'0"	4'0"	9.53	5.32
3048	3'1½"	4'8⅜"	3'0"	4'8"	11.33	6.27
3050	3'1½"	5'0⅜"	3'0"	5'0"	13.14	6.75
3430	3'5½"	3'0⅜"	3'4"	3'0"	7.65	4.36
3440	3'5½"	4'0⅜"	3'4"	4'0"	10.70	5.95
3448	3'5½"	4'8⅜"	3'4"	4'8"	12.73	7.01
3450	3'5½"	5'0⅜"	3'4"	5'0"	14.76	7.53
3830	3'9½"	3'0⅜"	3'8"	3'0"	8.49	4.82
3840	3'9½"	4'0⅜"	3'8"	4'0"	11.87	6.57
3848	3'9½"	4'8⅜"	3'8"	4'8"	14.12	7.74
3850	3'9½"	5'0⅜"	3'8"	5'0"	16.37	8.32

MUNTIN ARRANGEMENTS

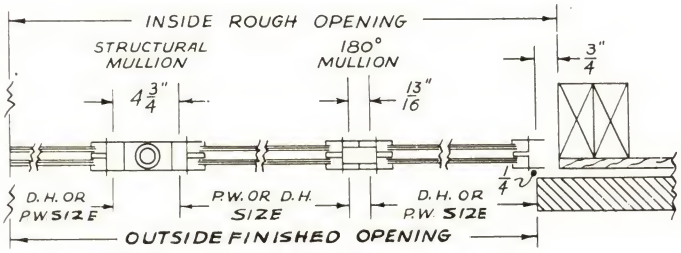


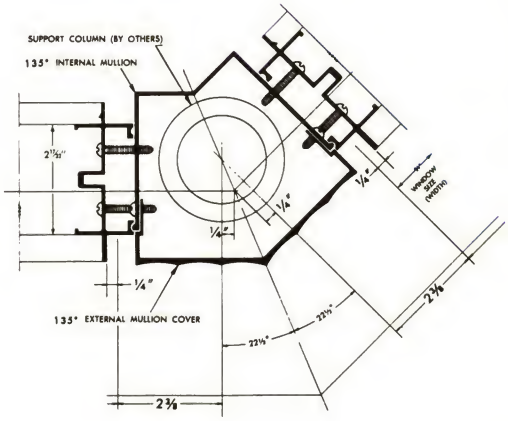
PICTURE WINDOW UNITS

WINDOW SIZE	INSIDE ROUGH OPENING		OUTSIDE FINISHED OPENING	
	Width	Height	Width	Height
4040	4'1½"	4'0⅜"	4'0"	4'0"
4048	4'1½"	4'8⅜"	4'0"	4'8"
4050	4'1½"	5'0⅜"	4'0"	5'0"
5040	5'1½"	4'0⅜"	5'0"	4'0"
5048	5'1½"	4'8⅜"	5'0"	4'8"
5050	5'1½"	5'0⅜"	5'0"	5'0"
6040	6'1½"	4'0⅜"	6'0"	4'0"
6048	6'1½"	4'8⅜"	6'0"	4'8"
6050	6'1½"	5'0⅜"	6'0"	5'0"

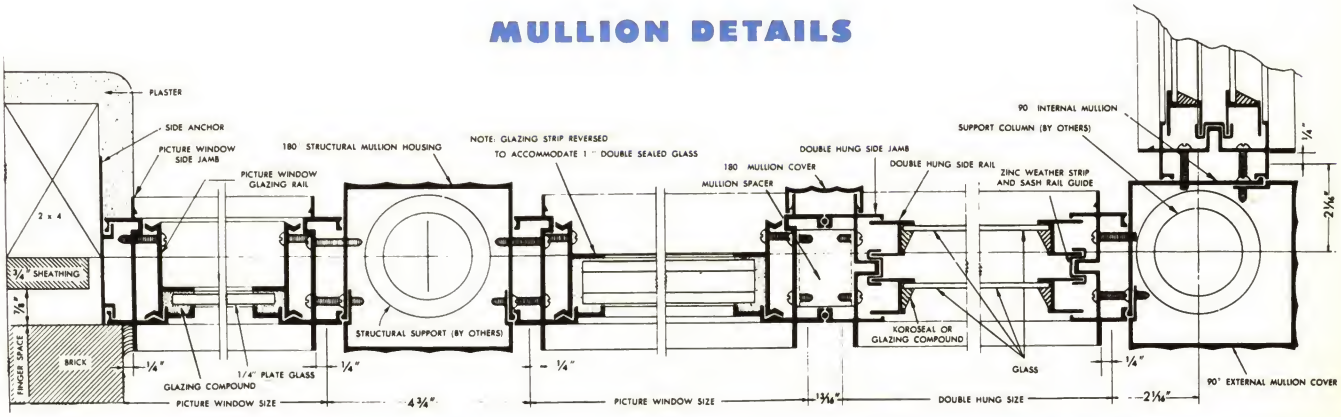
MULTIPLE OVERALLS

When using multiple units consisting of any combination of either double hung or picture window units, add 13/16" for each straight mullion, except for 180° Structural Mullion Housing add 4¾". See details, this page, for dimensions of 90°, 180° and 135° Structural Mullion Housing.





MULLION DETAILS



SPECIFICATIONS

PER-FIT Double Hung and Fixed Aluminum Window shown on Architects' plans to be as manufactured by Per-Fit Products Corporation, Indianapolis, Indiana with designs, materials and construction as specfied in their current Catalog:

MATERIAL: Aluminum used in manufacture shall be extruded 63ST5 alloy with minimum thickness of Sash Members, .0625"; Frame-side and Head Members, .0625"; Frame-sill Members, .078".

WEATHERSTRIPPING: Weatherstrip channels of zinc, cold formed .050" semi-hard, shall serve as sash guides and shall be securely attached to frame side with stainless steel screws. Felt rubbing blocks shall be attached to weatherstrip for proper weather seal at meeting rails.

CONSTRUCTION: Jamb members of frame shall be mechanically interlocked and welded to sill members. There shall be interlocking fins forming weathering seals between the head and sill members of the frame and the sash, as well as similar interlocking members at the sash meeting rail. Sash members shall be corner-mitred and internally welded. Mullions shall be sealed against weather and air infiltration by full height aluminum rods tightly locked in grooves in jamb section of window frame. Mullions shall automatically and permanently align adjoining units and the internal snap-on fluted mullion covers shall be available for 180° mullions. Windows over 3'4" width shall have heavier lower rail sections in both sash. Balancers shall be adjustable, spiral tension type.

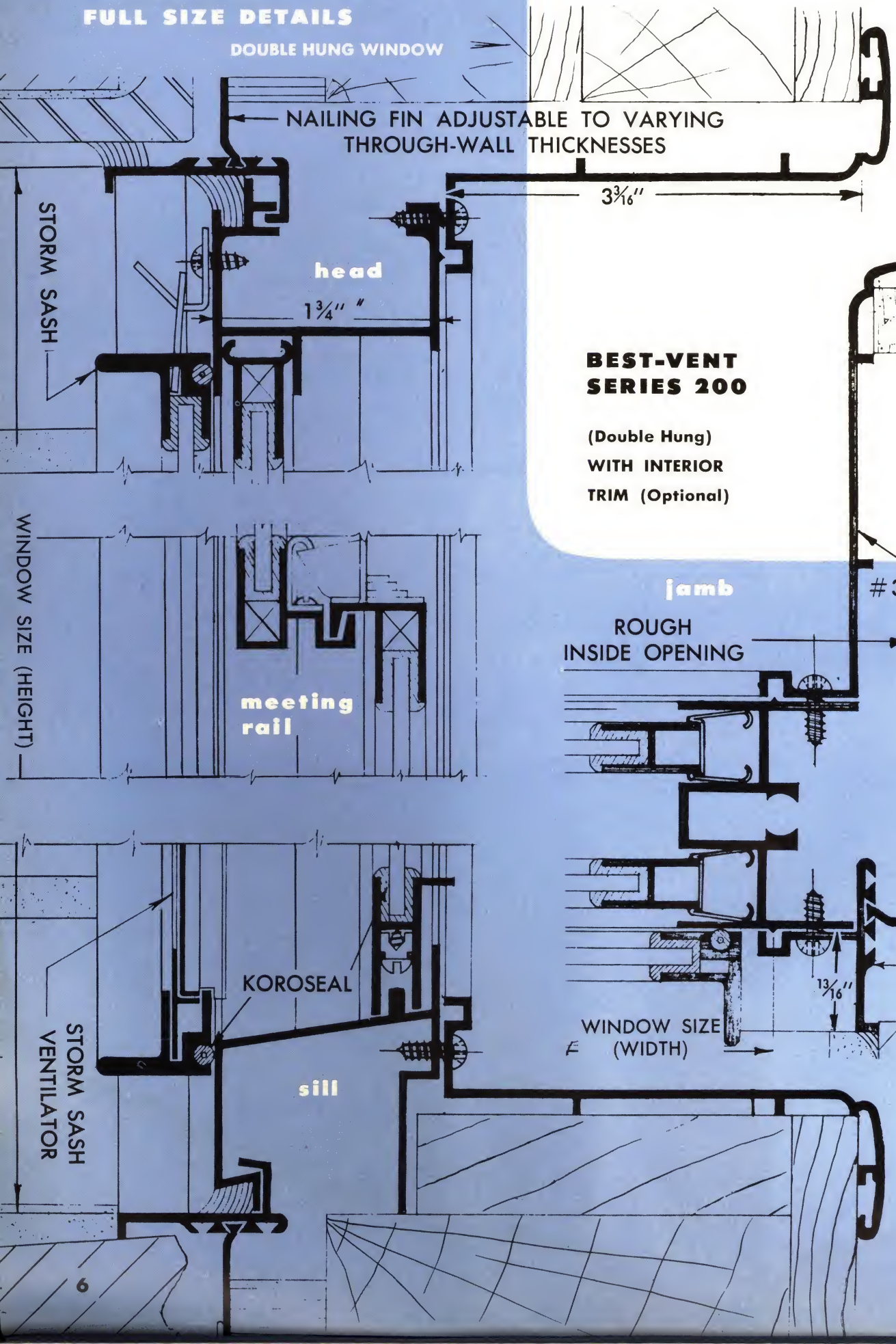
ACCESSORIES: Required anchors for installation to be provided by Manufacturer. If mullions are required at structural members, add following: Provide 90°, 135° or 180° housings for structural members (by others).

GLAZING: (This): Koroseal shall be used in factory glazing of sash. (Or This): Glazing shall be with an approved quality glazing compound and done in an acceptable and workmanlike manner by the glazing contractor. Picture Window frames shall accommodate either ¼" plate or 1" insulating glass.

FINISH: A lacquer coating shall be applied at factory for protection of the finish during installation.

STORM SASH AND SCREENS: Two-piece storm sash, easily attached or removed from the inside, shall provide interlock at meeting rails. Koroseal gasket shall be provided in storm sash frames to achieve a non-metallic contact with window frame. Ventilation shall be obtainable by extension of the locking arms or lower half of storm sash. Aluminum frame full screens shall be provided.

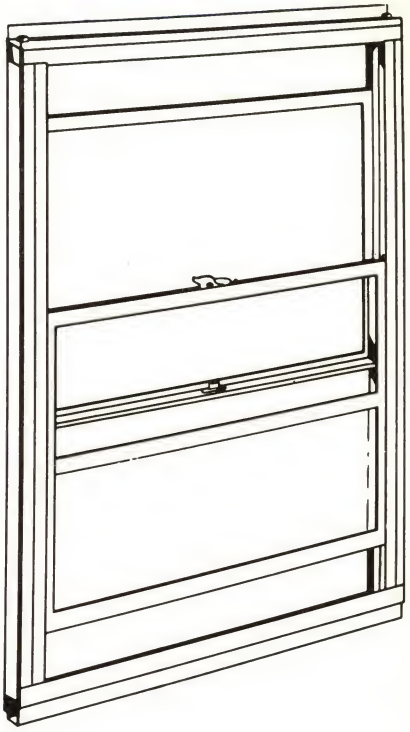
BEST-VENT SERIES 200
FULL SIZE DETAILS
DOUBLE HUNG WINDOW



BEST-VENT
for ECONOMY DESIGN . . . SERIES 200
DOUBLE HUNG • PICTURE

The Per-Fit Line

5a
Pc



GENERAL—Best-Vent's quality makes it equally acceptable in the expensive contract house and in low to medium cost houses. Ease of operation ("try the little finger test") and scientific ventilation obtained by balanced sash operation. Matching picture window frames available. This window may be used with or without #31 aluminum exterior fin trim and #30 aluminum interior finish trim. (Installation Details, Page 8).

#30 ALUMINUM INTERIOR TRIM AND #31 EXTERIOR FIN TRIM—Complete aluminum interior trim and exterior fin trim quickly adapts the window units and multiple combinations to varying wall thicknesses and construction types.

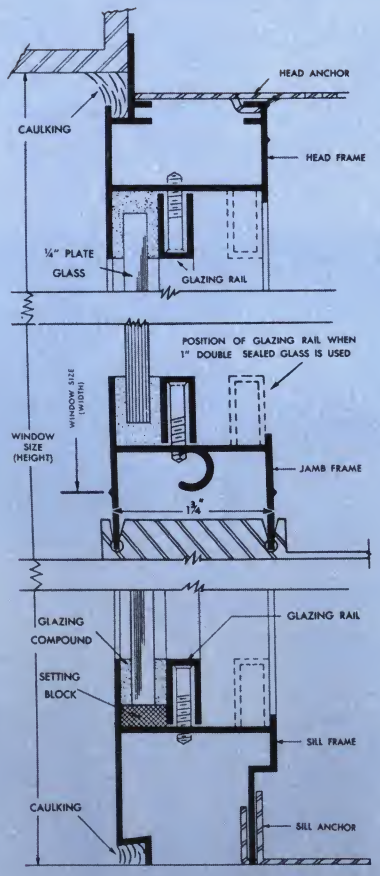
MULLIONS—180° straight mullions. 90° structural mullion housings and 180° structural mullion housings available.

STORM SASH AND SCREENS — Aluminum framed full screens and one piece storm sash are manufactured by Per-Fit Products Corporation to fit Best-Vent. Easily hung storm sash are provided with a Koroseal gasket to provide non-metallic contact between storm sash and window frame. Storm sash include a louvre type ventilator.

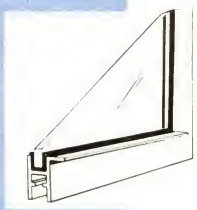
SPECIFICATIONS — See Page 9.

picture window

NOTE: Interior Trim (#30) and Exterior Fin Trim (#31) available as for double hung units.
See Page 6.

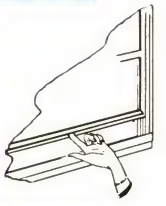


Scale ½ Size



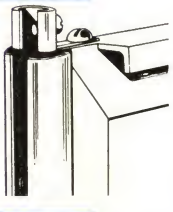
KOROSEAL GLAZED

Koroseal is the same type plastic specified for many government uses in both arctic and tropical climates. It neither hardens, softens nor shrinks and is reuseable when re-glazing is required.



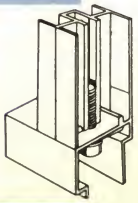
FINGER TIP OPENING

The sash are so perfectly balanced that lifting of the lower sash can easily be accomplished with one finger ("the little finger test"). Upper and lower sash automatically adjust to equal openings for naturally balanced ventilation.



STAINLESS STEEL WEATHERSTRIPPING

Attached to side rails of both sash. Tension against sides of jamb channels produces a constant and continuous weather seal without sticking or binding to impede sash operation.



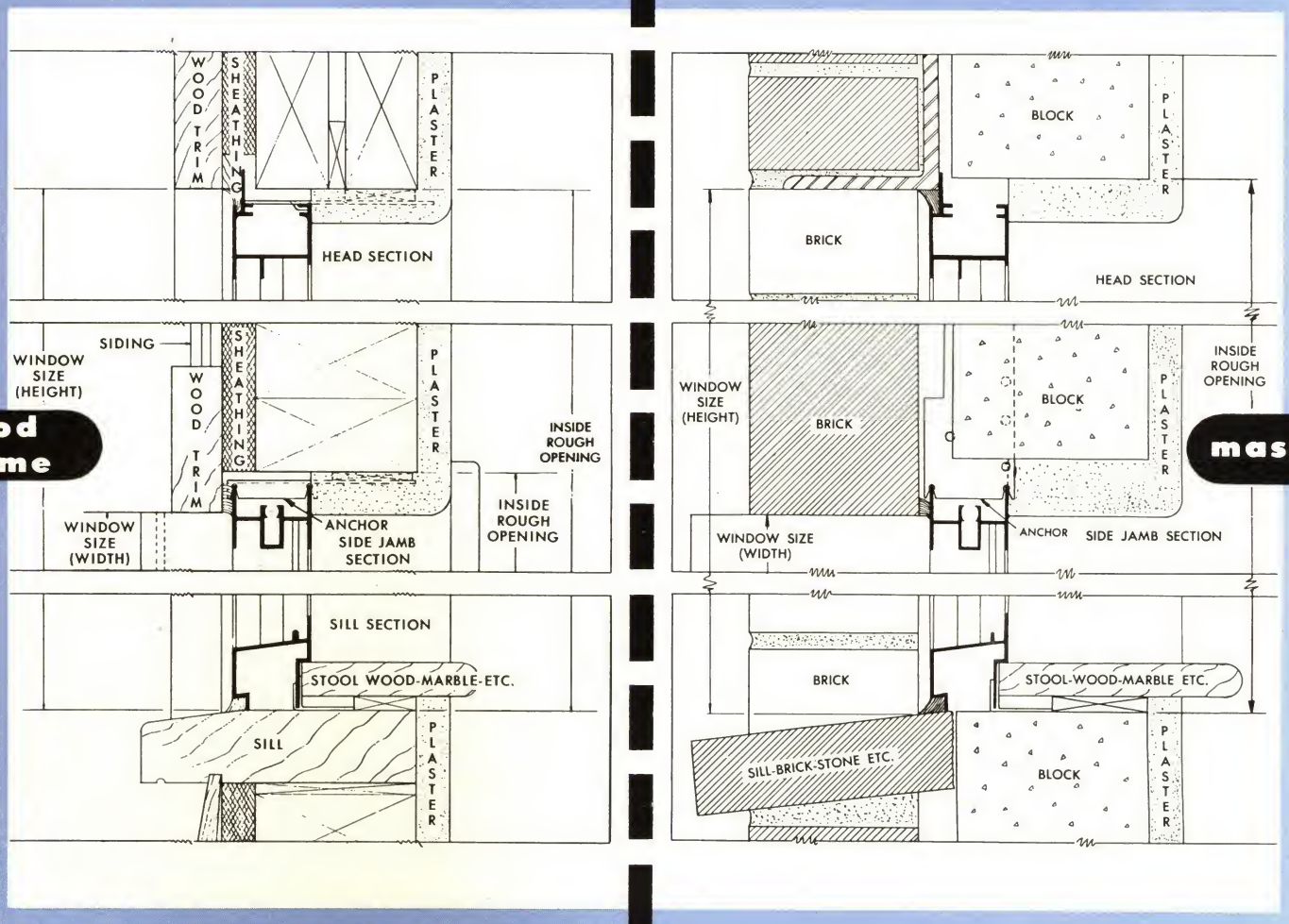
BOLTED CORNER CONSTRUCTION

Heads and sills of frame are positively connected to jambs by corner bolts fastened into integral members of jambs and then permanently and positively sealed. Superior to 'mechanical key' type joinery, affords increased resistance to racking.

BEST-VENT SERIES 200

INSTALLATION DETAILS

Scale 3"=1'0"



wood frame

masonry

SIZES AND DIMENSIONS

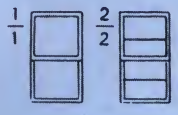
DOUBLE HUNG UNITS

WINDOW SIZE	INSIDE ROUGH OPENING†		OUTSIDE FINISHED OPENING (WINDOW SIZE)††		GLASS AREA	VENTILATING AREA
	Width	Height	Width	Height	Square Feet	Square Feet
1630	1'7¾"	3'0"	1'6"	3'0"	3.18	2.56
1640	1'7¾"	4'0"	1'6"	4'0"	4.46	3.25
1648	1'7¾"	4'8"	1'6"	4'8"	5.31	3.71
1650	1'7¾"	5'0"	1'6"	5'0"	5.74	3.94
2030	2'1¾"	3'0"	2'0"	3'0"	4.42	3.49
2040	2'1¾"	4'0"	2'0"	4'0"	6.20	4.43
2048	2'1¾"	4'8"	2'0"	4'8"	7.38	5.06
2050	2'1¾"	5'0"	2'0"	5'0"	7.98	5.37
2430	2'5¾"	3'0"	2'4"	3'0"	5.24	4.12
2440	2'5¾"	4'0"	2'4"	4'0"	7.36	5.22
2448	2'5¾"	4'8"	2'4"	4'8"	8.77	5.96
2450	2'5¾"	5'0"	2'4"	5'0"	9.47	6.32
2830	2'9¾"	3'0"	2'8"	3'0"	6.07	4.74
2840	2'9¾"	4'0"	2'8"	4'0"	8.52	6.00
2848	2'9¾"	4'8"	2'8"	4'8"	10.15	6.86
2850	2'9¾"	5'0"	2'8"	5'0"	10.97	7.28
3020	3'1¾"	2'0"	3'0"	2'0"	3.87	3.92
3030	3'1¾"	3'0"	3'0"	3'0"	6.48	5.36
3040	3'1¾"	4'0"	3'0"	4'0"	9.10	6.80
3048	3'1¾"	4'8"	3'0"	4'8"	10.84	7.75
3050	3'1¾"	5'0"	3'0"	5'0"	11.71	8.23
3430	3'5¾"	3'0"	3'4"	3'0"	7.31	5.98
3440	3'5¾"	4'0"	3'4"	4'0"	10.26	7.58
3448	3'5¾"	4'8"	3'4"	4'8"	12.22	8.65
3450	3'5¾"	5'0"	3'4"	5'0"	13.20	9.19

†When # 31 Fin Trim is used, Outside Finished Opening is increased 1 5/8".

††Inside Rough Opening remains constant whether installed with anchors or # 31 Fin Trim.

MUNTIN ARRANGEMENTS

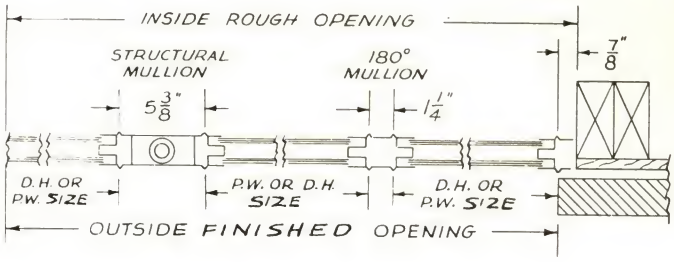


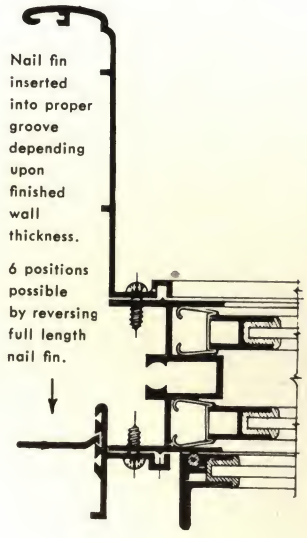
PICTURE WINDOW UNITS

WINDOW SIZE	INSIDE ROUGH OPENING†		OUTSIDE FINISHED OPENING††	
	Width	Height	Width	Height
3030	3'0 7/8"	3'0"	2'11 1/8"	3'0"
3040	3'0 7/8"	4'0"	2'11 1/8"	4'0"
3048	3'0 7/8"	4'8"	2'11 1/8"	4'8"
3050	3'0 7/8"	5'0"	2'11 1/8"	5'0"
4030	4'0 7/8"	3'0"	3'11 1/8"	3'0"
4040	4'0 7/8"	4'0"	3'11 1/8"	4'0"
4048	4'0 7/8"	4'8"	3'11 1/8"	4'8"
4050	4'0 7/8"	5'0"	3'11 1/8"	5'0"
5030	5'0 7/8"	3'0"	4'11 1/8"	3'0"
5040	5'0 7/8"	4'0"	4'11 1/8"	4'0"
5048	5'0 7/8"	4'8"	4'11 1/8"	4'8"
5050	5'0 7/8"	5'0"	4'11 1/8"	5'0"
6030	6'0 7/8"	3'0"	5'11 1/8"	3'0"
6040	6'0 7/8"	4'0"	5'11 1/8"	4'0"
6048	6'0 7/8"	4'8"	5'11 1/8"	4'8"
6050	6'0 7/8"	5'0"	5'11 1/8"	5'0"

MULTIPLE OVERALLS

When using multiple units consisting of any combination of either double hung or picture window units, add 1¼" for each straight mullion, except for 180° Structural Mullion Housing add 5⅜". See details, this page, for dimensions for 90° and 180° Structural Mullion Housing. This procedure of determining opening dimensions is applicable both with or without #30 Interior Trim and #31 Exterior Fin Trim.

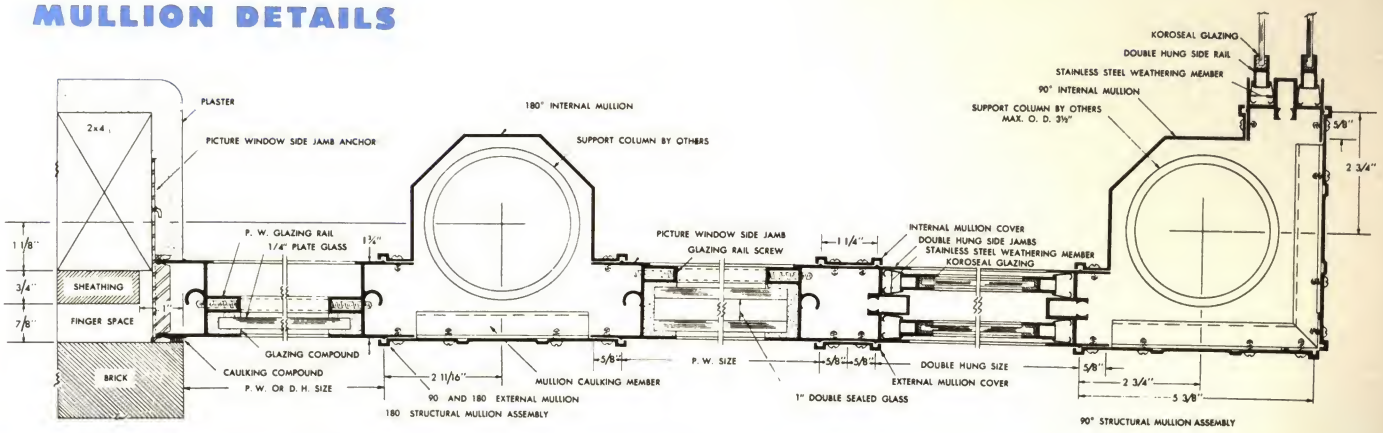




INSTALLATION WITH No. 31 FIN TRIM AND No. 30 INTERIOR FINISH TRIM

Used only on 2"x4" frame construction. #31 Fin Trim is fastened to exterior of window frame, with the Nail Fin already inserted into proper groove (See Detail Page 6) depending on finished wall thickness desired. This may vary from 4½" to 5½" according to the thickness of the exterior sheathing and the interior finished wall material. Interior Trim is applied after completion of interior wall.

MULLION DETAILS



SPECIFICATIONS

BEST-VENT Double Hung and Fixed Light Aluminum Window shown on Architects' plans to be as manufactured by Per-Fit Products Corporation, Indianapolis, Indiana with designs, materials and construction as specified in their current Catalog.

MATERIAL: Aluminum used in manufacture shall be extruded 63ST5 alloy with minimum thickness of .0625".

WEATHERSTRIPPING: Stainless steel weatherstrips shall be attached to side rails of both sash. Tension of weatherstrips against jamb of window frame shall provide constant and continuous weather protection. Felt rubbing blocks shall be attached to the frame to provide weather seal at meeting rails. Horizontal sash members shall have integrally extruded fins which, when interlocked with similar fins on horizontal members of frame, form weathering seals.

CONSTRUCTION: Head and sill of window frame shall be positively bolted and sealed to jamb members employing internal bracing clamps for maximum rigidity. Automatic balance sash operation shall be provided by means of 150 pound test stainless steel cables attached to upper end of side rails of both sash; cable movement shall be over nylon pulley assemblies in head member of frame. Lift bar on lower sash rail shall be integral part of lower sash rail extrusion and shall run full sash width.

ACCESSORIES: Installation anchors to be provided by Manufacturer except when installation is with #31 Fin Trim. 180° straight, self-aligning mullions, and 180° or 90° structural mullion housings for structural members (by others) shall be as described in the window manufacturer's catalog.

Glazing: Koroseal vinyl plastic shall be used in glazing of window sash and storm sash. Picture window frames shall accommodate either ¼" plate or 1" insulating glass and shall be glazed with an approved compound.

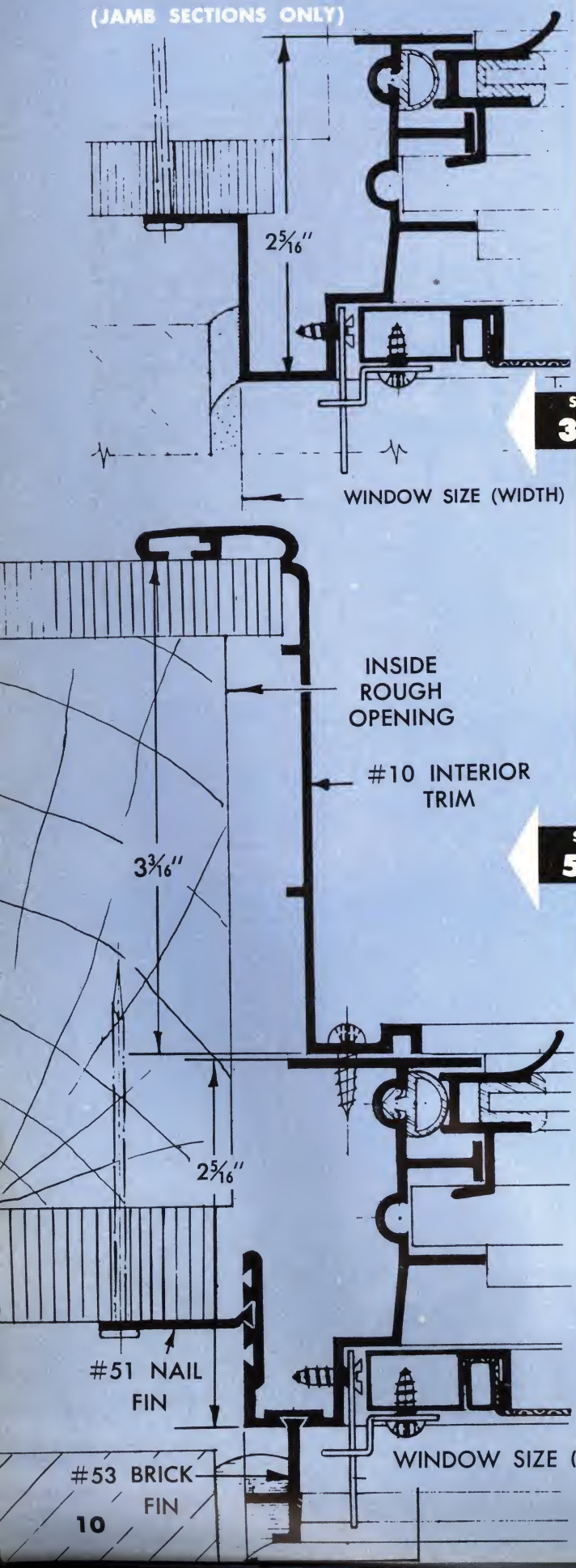
FINISH: A lacquer coating shall be applied at factory for protection of finish during installation. (Or this:) PerFiTone finish (etched and dip lacquered) shall be supplied on windows and #30 Interior Trim.

INTERIOR TRIM AND EXTERIOR FIN TRIM: If required, add as follows: All window frames shall be so designed to permit rapid installation by use of extruded aluminum interior finish trim and exterior installation fin trim. Specially located grooves in exterior installation trim shall accommodate nail fins so that complete window and trim unit is adjustable to varying through-wall thicknesses before installation.

STORM SASH AND SCREENS: Aluminum full frame screens and one-piece storm sash shall be provided. Koroseal gasket shall be inserted into perimeter of storm sash frames to provide non-metallic contact with window frame. A louvred ventilation device shall be provided.

PER-FIT SLIDER

FULL SIZE DETAILS
(JAMB SECTIONS ONLY)



offering the choice of . . . 2 integrated series

Both the #300 and the #500 Series PER-FIT Slider have been acclaimed for their 100% versatility in all types of construction. Builders are enthusiastic about the low cost ease of installation and the elimination of costly 'call backs'. Home buyers want its attractive functional lines, beautiful etched and dip lacquered finish; its maintenance-free operation and all-weather protection.

SERIES 300 EXTERIOR TRIM SERIES

construction

The same heavy extrusions are used in the head, sill and jambs of frames; the difference is in the application of various types of weatherstripping concealed in frame. The frame, with its integral pre-punched nailing fin and exterior trim, eliminates all need for flashing, window anchors and trim. Sliding sash are easily removable for cleaning. Effective storm sash or screens are quickly installed into outer recess of frame, from the interior of the home. Both sliding sash and storm sash are glazed with re-usable Koroseal.

installation

Window frame is quickly installed into the rough opening by nailing through the projecting fins of frame. The exterior trim of the #300 frame well provides an automatic brick mould or siding casing. The interior window return can be any material of the builders' choice (See Installation Details Page 12).

SERIES 500 JOB CONDITION SERIES

construction

#500 Series contains all of the outstanding advantages of the #300 Series—and in addition—a complete aluminum Interior Trim (#10) is available to fit all types of construction and varying through-walls between 4½" and 5⅜". This is possible, exclusively with Per-Fit, by applying simple installation fins in specially located grooves in perimeter of frame. These fins include the #51 Nail Fin, #52 Block Fin, #53 Brick Veneer Fin and the #54 Wood Veneer Fin. See Page 13 for various applications.

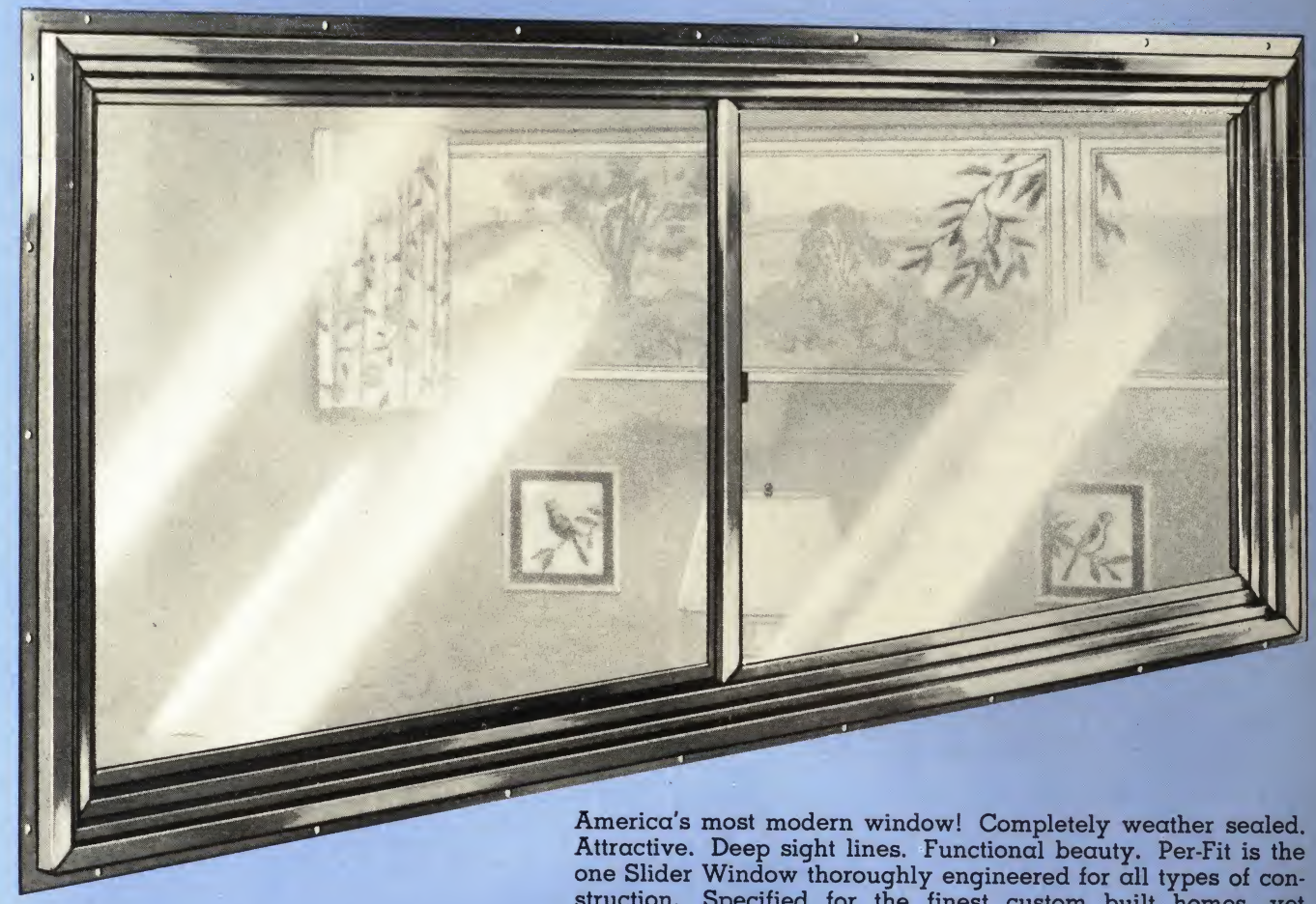
installation

Minute adjustment possible by placement of the offset nail fin into one of the three grooves in the window frame. The exact position is determined by the finished through-wall thickness. After the finished interior wall is complete, the Interior Trim is quickly and easily attached to the window frame for a complete and attractive finish. #53 Brick Veneer provides wide brick mould when more than 1" veneer air space is required. See Page 13 for use of #53 Brick Veneer Fin and #54 Wood Veneer Fin. See Page 13 for #500 Series used with # 51, #52, # 53, and #54 Fins to adapt the window to any type of wall construction. Installation Details on following pages.

THE PER-FIT SLIDER

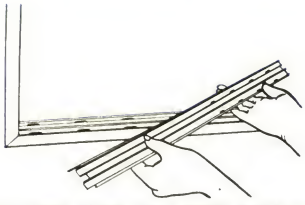
The PER-FIT Line

5a
Pc

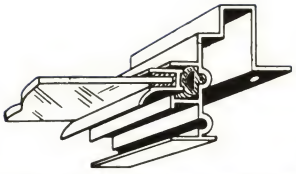


America's most modern window! Completely weather sealed. Attractive. Deep sight lines. Functional beauty. Per-Fit is the one Slider Window thoroughly engineered for all types of construction. Specified for the finest custom built homes, yet practical and appealing to builders of houses in all price ranges. Quality without question!

with these outstanding features . . .



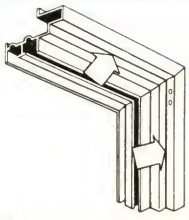
Zinc cover plate and sash track easily removed for cleaning. Protects sill against accumulation of dirt, debris.



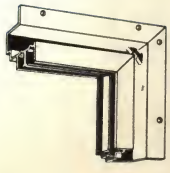
Sash side-rails have two point contact with semi-pneumatic Koroseal in the jamb members.

Forged and machined cam action lock draws the meeting-rails tightly together. Positive locking action.

Screw-lock smooth mitred corners on sash. Quick and easy reglazing when necessary.



Screen and storm sash recess is an integral part of the extruded aluminum frame.



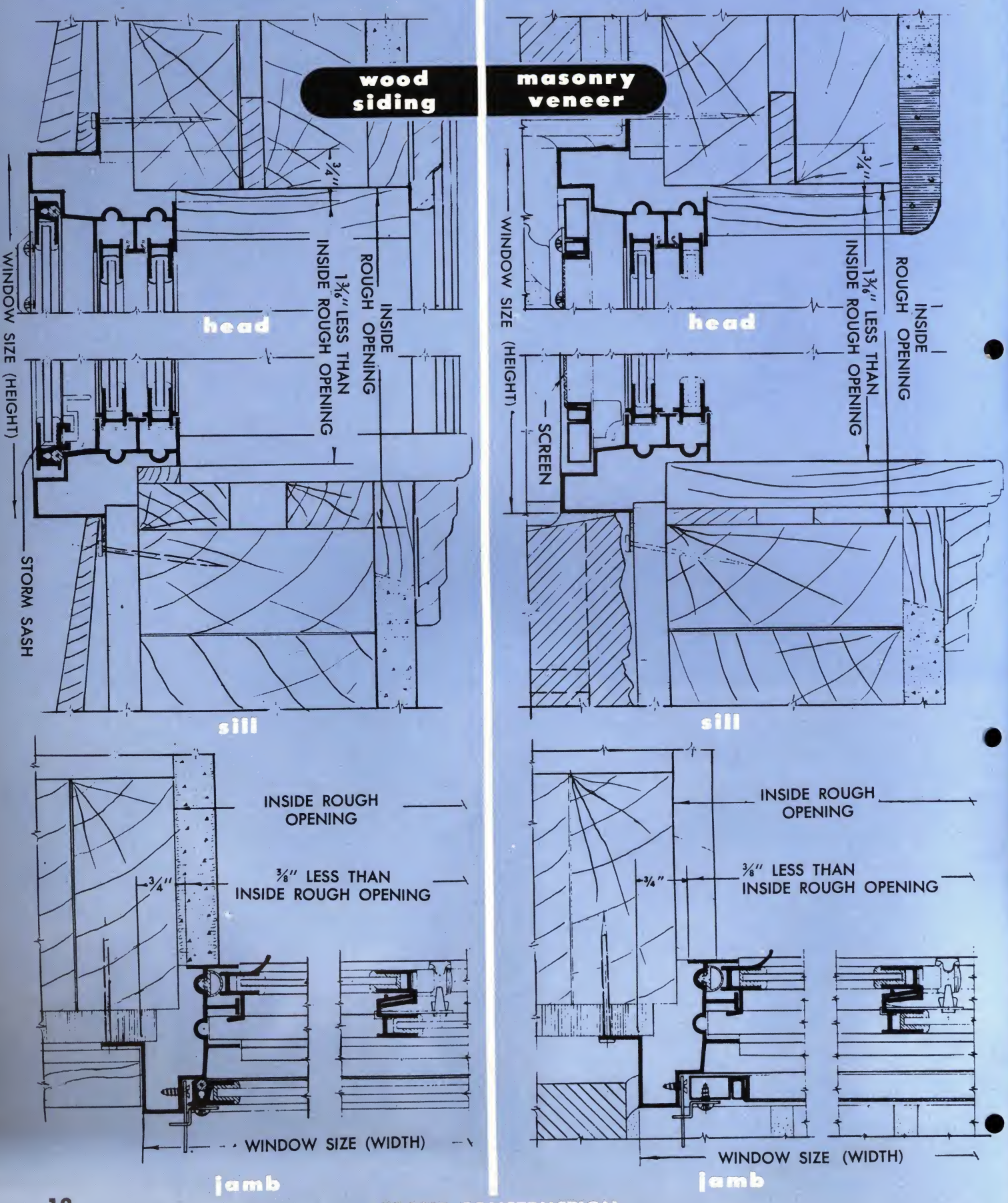
All PER-FIT slider windows have continuous perimeter installation fins.

PER-FIT SLIDER
INSTALLATION DETAILS

Scale ½ Size

SERIES 300

wood siding | **masonry veneer**



THE PER-FIT SLIDER

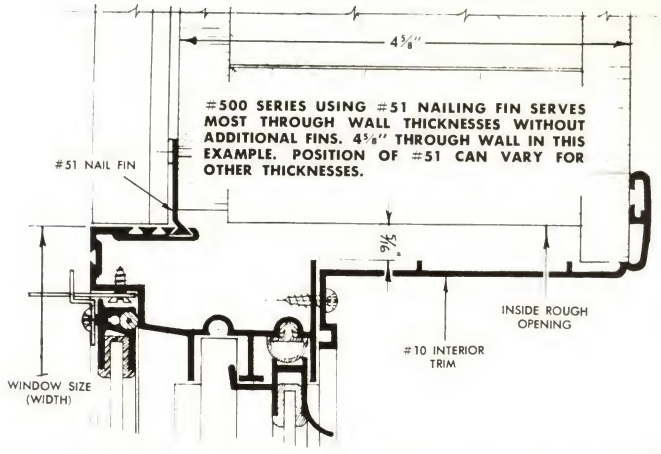
INSTALLATION DETAILS

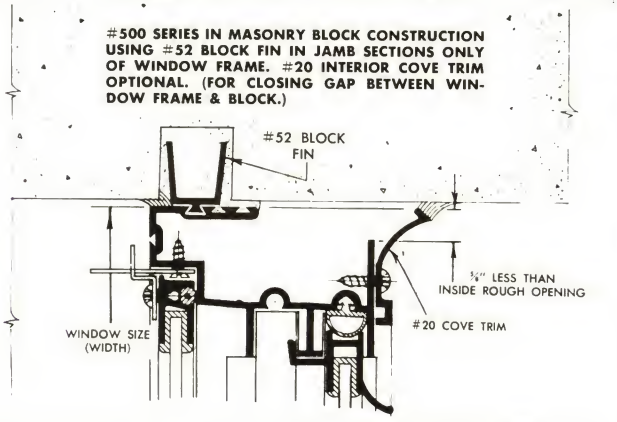
Scale 1/2 Size

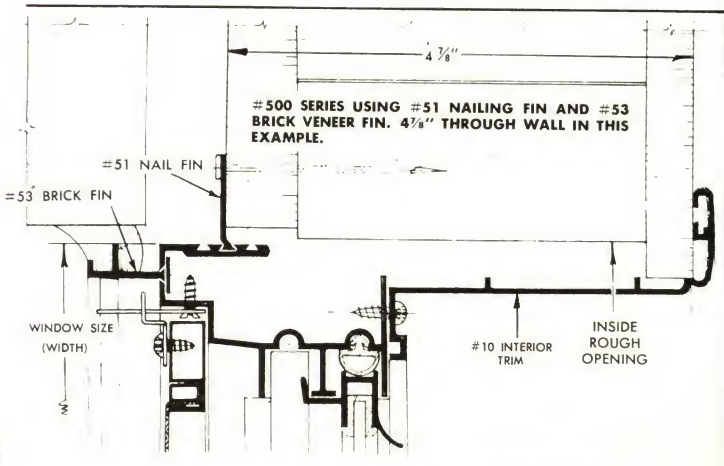
GENERAL

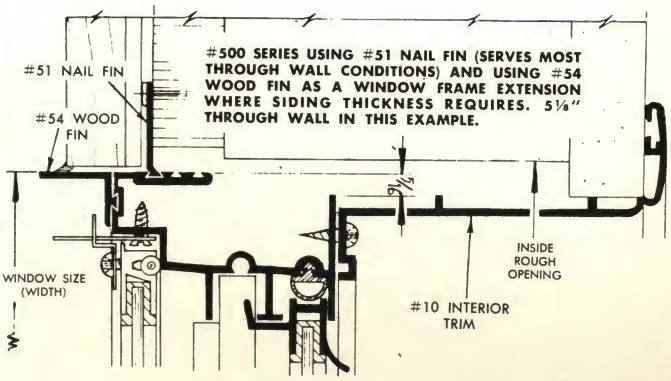
The #500 Series is used in all construction types and conditions. The seven installation details on this page (jamb sections only) illustrate the application of simple installation fins.

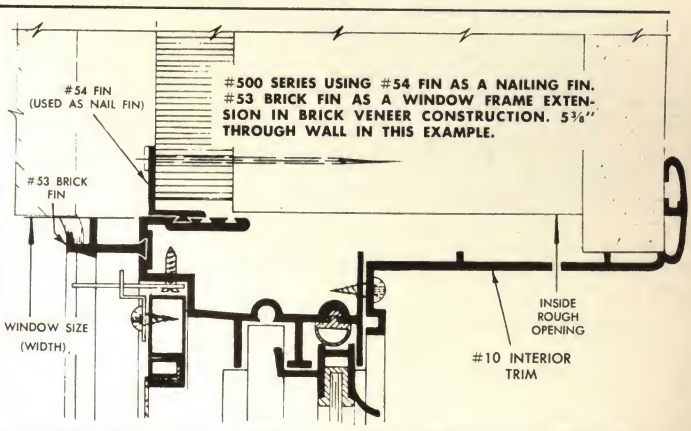
These fins include: #51 Nail Fin; #52 Block Fin; #53 Brick Fin; #54 Wood Fin (also used as a nail fin). Two types of Trim are illustrated: #10 Interior Trim and #20 Cove Trim. #500 Series is used in wood buck installations without fins (knock-outs are provided in window jamb for receipt of wood screws).

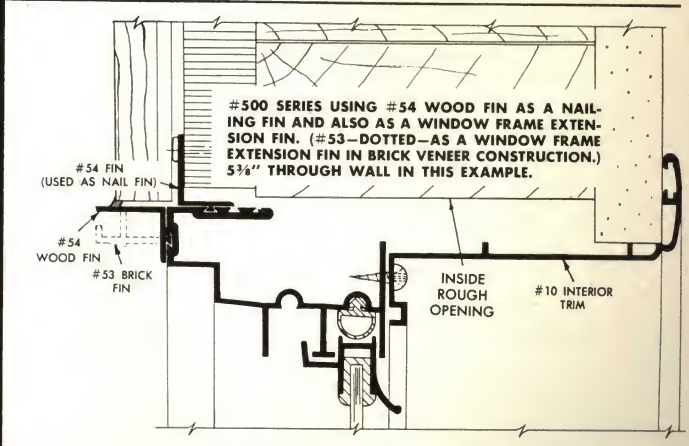


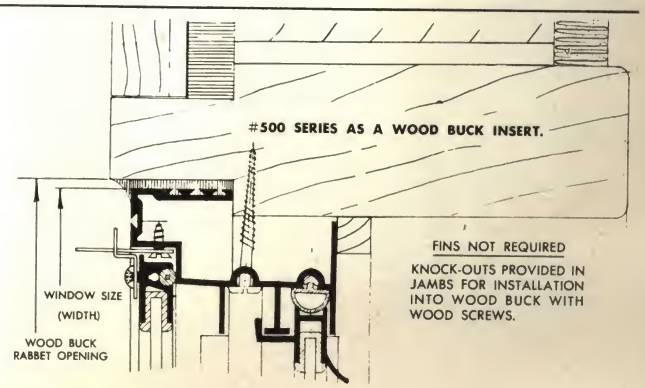








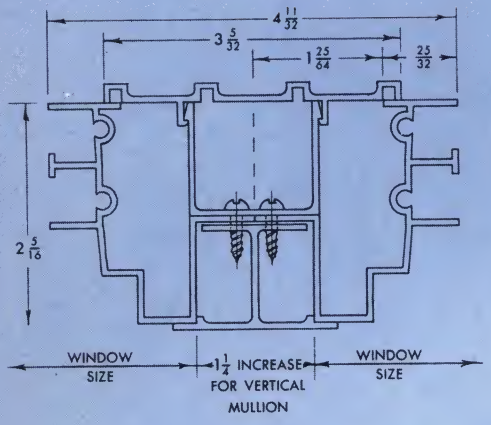




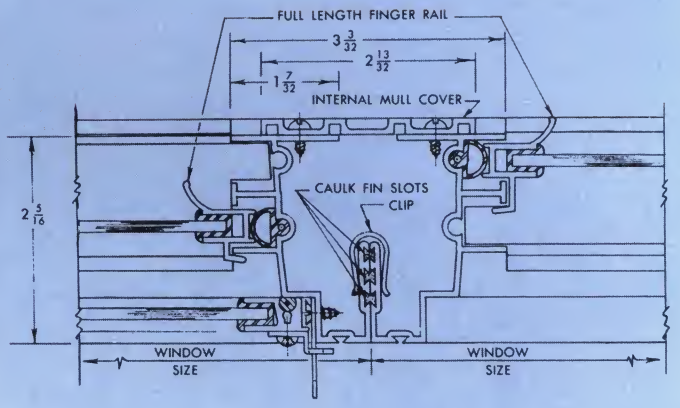
VARIOUS CONSTRUCTIONS — JAMB SECTIONS ONLY

VERTICAL MULLIONS

Half Size



#300 Series Mullion (Vertical only) consists of exterior plate ('I' shape), center channel ('U' shape) and interior flat cover plate (snap-on type).



#500 Series Mullion Cover (EITHER Vertical or Horizontal) consists of interior mullion cover (screw-on type) and U-shaped mullion clips (drive-on type).

SIZES AND DIMENSIONS

WINDOW SIZE*	#500 SERIES INSIDE ROUGH OPENING†		#300 SERIES INSIDE ROUGH OPENING†		GLASS AREA	VENTILATING AREA (either vent open)
	Width	Height	Width	Height	Square Feet	Square Feet
111 17	1'11⅛"	1'7⅛"	—	—	1.93	.70
3921	3'9-23/32"	2'1-23/32"	3'8"	2'0⅝"	6.15	2.95
2020	2'0"	1'11⅝"	1'11"	1'11⅝"	2.70	1.27
3020	3'0"	1'11⅝"	2'11"	1'11⅝"	4.37	2.14
3024	3'0"	2'3⅝"	2'11"	2'3⅝"	5.25	2.56
3028	3'0"	2'7⅝"	2'11"	2'7⅝"	6.12	2.97
3030	3'0"	2'11⅝"	2'11"	2'11⅝"	7.00	3.38
3034	3'0"	3'3⅝"	2'11"	3'3⅝"	7.87	3.79
3420	3'4"	1'11⅝"	3'3"	1'11⅝"	4.93	2.43
3424	3'4"	2'3⅝"	3'3"	2'3⅝"	5.92	2.90
3428	3'4"	2'7⅝"	3'3"	2'7⅝"	6.90	3.37
3430	3'4"	2'11⅝"	3'3"	2'11⅝"	7.39	3.84
3434	3'4"	3'3⅝"	3'3"	3'3⅝"	8.87	4.31
4020	4'0"	1'11⅝"	3'11"	1'11⅝"	6.04	3.01
4024	4'0"	2'3⅝"	3'11"	2'3⅝"	7.25	3.59

WINDOW SIZE*	#500 SERIES INSIDE ROUGH OPENING†		#300 SERIES INSIDE ROUGH OPENING†		GLASS AREA	VENTILATING AREA (either vent open)
	Width	Height	Width	Height	Square Feet	Square Feet
4028	4'0"	2'7⅝"	3'11"	2'7⅝"	8.46	4.17
4030	4'0'	2'11⅝"	3'11"	2'11⅝"	9.66	4.72
4034	4'0'	3'3⅝"	3'11"	3'3⅝"	10.87	5.33
4038	4'0'	3'7⅝"	3'11"	3'7⅝"	11.48	5.91
4820	4'8"	1'11⅝"	4'7"	1'11⅝"	7.15	3.58
4824	4'8"	2'3⅝"	4'7"	2'3⅝"	8.58	4.28
4828	4'8"	2'7⅝"	4'7"	2'7⅝"	10.01	5.66
4830	4'8"	2'11⅝"	4'7"	2'11⅝"	11.44	4.97
4834	4'8"	3'3⅝"	4'7"	3'3⅝"	12.92	6.35
4838	4'8"	3'7⅝"	4'7"	3'7⅝"	14.30	7.04
6020	6'0"	1'11⅝"	5'11"	1'11⅝"	9.37	4.45
6024	6'0"	2'3⅝"	5'11"	2'3⅝"	11.25	5.31
6028	6'0"	2'7⅝"	5'11"	2'7⅝"	13.12	6.16
6030	6'0"	2'11⅝"	5'11"	2'11⅝"	15.00	7.02
6034	6'0"	3'3⅝"	5'11"	3'3⅝"	15.94	7.88

*Window Size (Dimension) is the outside finished opening as well. Exception: 3921 is 3'9-17/32" x 2'1-17/32". This is also the Masonry Opening in Solid Masonry. †Wood Frame Construction.

SPECIFICATIONS

PER-FIT Horizontal Slider Windows and Slider Type Picture Windows shown on Architects' plans to be as manufactured by Per-Fit Products Corporation, Indianapolis, Indiana with designs, materials and construction as specified in their current Catalog.

MATERIAL: Aluminum used in manufacture shall be extruded 63ST5 alloy with minimum thickness of .0625".

WEATHERSTRIPPING: Maximum weather seals shall be provided as follows: HEAD—nylon spring pressure buttons on upper sash rails shall press sash against zinc weather strip in head of frame; felt rubbing block at deep interlocking meeting rails shall be provided. JAMBS—Cam action type lock shall apply pressure seal of sash against Koroseal full-length cushions concealed in jambs. SILL—Zinc sill cover plate shall protect sill frame and shall provide adequate drainage to the exterior.

CONSTRUCTION: All frame and sash members to have screw-lock smooth mitred corners. Head, sill and jamb extrusions shall provide integral and complete exterior trim. (Add if #300 Series desired: Pre punched nail fin shall be integral part of frame.) (Add if #500 Series desired: Specially located grooves for receipt of adjustable Nail, Block or Veneer Fins shall adapt window and interior trim unit to varying wall thicknesses and construction types.)

ACCESSORIES: Vertical 180° mullions shall be available. (Add if required when #500 Series desired: Horizontal self-aligning mullions shall form window wall arrangements using individual units of standard slider windows as well as slider-type picture windows.

GLAZING: Glass for sliding sash, fixed sash of picture window and all storm sash shall be glazed with Koroseal.

FINISH AND TRIM: All windows and trim shall be completely etched and protected with a hard dipped lacquer finish. Extruded aluminum Interior Trim shall be furnished as indicated and be manufactured by the window manufacturer.

STORM SASH AND SCREENS: Aluminum frame screens and storm sash shall be easily attached or removed from the inside. A Koroseal gasket shall be inserted into perimeter of storm sash to provide non-metallic contact with window frame. Ventilation shall be obtainable by extension of the locking arms on lower half of storm sash.

SLIDER
PICTURE WINDOWS AND WINDOW WALLS

(300 or 500 SERIES) (500 SERIES ONLY)

The PER-FIT Line

PICTURE WINDOWS

Available in both #300 and #500 Series. Fully assembled units, ready for installation. The center section is fixed. The two end sections slide. All sections Koroseal glazed. Storm sash are available for all three sections; screens for the two side sections.

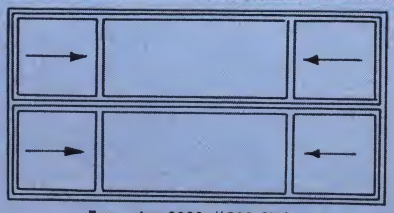
WINDOW WALLS

Achieved with the #500 Series Slider-type Picture Windows by horizontal mullioning. (Also possible with standard #500 Slider window units.) Numerous design combinations are possible in forming window wall arrangements.

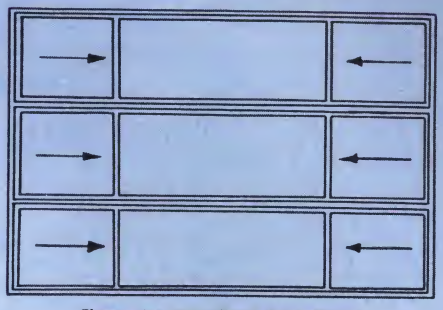
INSTALLATION: Horizontal mullioning is done prior to installation. To determine height of wood frame rough opening, add window dimension heights (see tables this page) and subtract ⅜". Example: Rough opening for three 9020 #500 Series Slider Picture Windows mullioned together into a window wall: Width, 9'0"; height, 2'0" plus 2'0" plus 2'0", less ⅜", or 5'11⅝".

examples

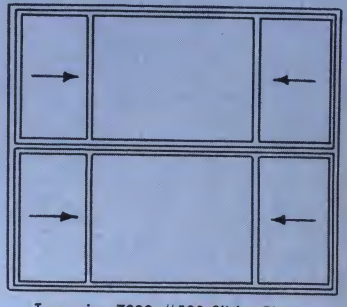
Size 8038 #300 Slider Picture Window. Wood frame rough opening, 7'11" x 3'7⅝".



Two, size 8020 #500 Slider Picture Windows mullioned horizontally. Wood frame rough opening, 8'0" x 3'11⅝".



Three, size 9020 #500 Slider Picture Windows mullioned horizontally. Wood frame rough opening, 9'0" x 5'11⅝".



Two, size 7030 #500 Slider Picture Windows mullioned horizontally. Wood frame rough opening, 7'0" x 5'11⅝".

SIZES • GLASS AREA

PICTURE WINDOW SIZE*	#500 SERIES INSIDE ROUGH OPENING†		#300 SERIES INSIDE ROUGH OPENING†		GLASS AREA	VENTILATING AREA (both vents open)
	Width	Height	Width	Height	Square Feet	Square Feet
7020	7'0"	1'11⅝"	6'11"	1'11⅝"	10.95	5.55
7024	7'0"	2'3⅝"	6'11"	2'3⅝"	13.14	6.62
7028	7'0"	2'7⅝"	6'11"	2'7⅝"	15.34	7.69
7030	7'0"	2'11⅝"	6'11"	2'11⅝"	17.53	8.76
7034	7'0"	3'3⅝"	6'11"	3'3⅝"	19.72	9.83
7038	7'0"	3'7⅝"	6'11"	3'7⅝"	22.05	10.89
8020	8'0"	1'11⅝"	7'11"	1'11⅝"	12.62	6.41
8024	8'0"	2'3⅝"	7'11"	2'3⅝"	15.15	7.65
8028	8'0"	2'7⅝"	7'11"	2'7⅝"	17.67	8.88

PICTURE WINDOW SIZE*	#500 SERIES INSIDE ROUGH OPENING†		#300 SERIES INSIDE ROUGH OPENING†		GLASS AREA	VENTILATING AREA (both vents open)
	Width	Height	Width	Height	Square Feet	Square Feet
8030	8'0"	2'11⅝"	7'11"	2'11⅝"	20.19	10.12
8034	8'0"	3'3⅝"	7'11"	3'3⅝"	22.72	11.36
8038	8'0"	3'7⅝"	7'11"	3'7⅝"	25.24	12.59
9020	9'0"	1'11⅝"	8'11"	1'11⅝"	14.29	7.28
9024	9'0"	2'3⅝"	8'11"	2'3⅝"	17.15	8.68
9028	9'0"	2'7⅝"	8'11"	2'7⅝"	20.00	10.08
9030	9'0"	2'11⅝"	8'11"	2'11⅝"	22.86	11.48
9034	9'0"	3'3⅝"	8'11"	3'3⅝"	25.72	12.89
9038	9'0"	3'7⅝"	8'11"	3'7⅝"	28.58	14.29

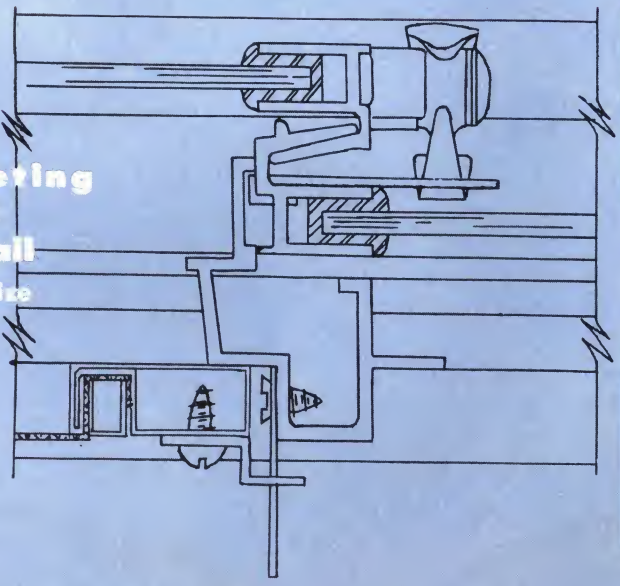
*Window Size (Dimension) is the outside finished opening as well. This is also the Masonry Opening in Solid Masonry.

†Wood Frame Construction.

PICTURE WINDOW

meeting rail detail

Full Size

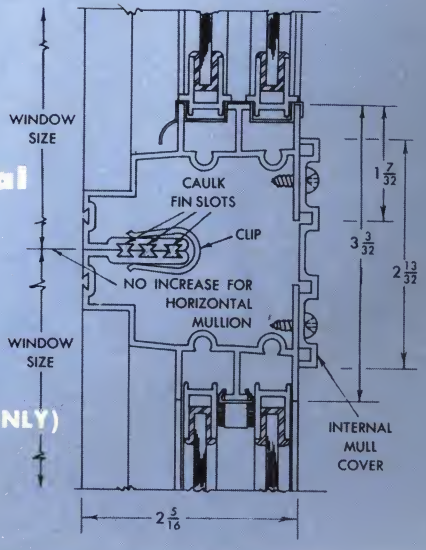


WINDOW WALL

horizontal mullion detail

Half Size

(500 SERIES ONLY)



The PER-FIT Line

PER-FIT PRODUCTS CORPORATION was founded in 1946 by the owners of the Spickelmier Company, Indianapolis, Indiana, manufacturers of fine building materials since 1907.

PER-FIT is widely known for its constant product research and development which has resulted in such innovations and improvements in the window industry as Koroseal (vinyl plastic) glazing; welded sash and frame corners; extra-heavy aluminum extrusions; fingertip operation; bolted frame corners (BEST-VENT); and the new PerFiTone satin-etched dip-lacquered finish. The PER-FIT LINE is known for advance features in weathering principles, installation practices and window operation that have all added to unequaled quality.

An example of PER-FIT's design, research and production abilities is the PER-FIT Slider, introduced late in 1953 (after intensive research and study) and now the slider window standard for prominent builders and architects the country over.

PER-FIT PRODUCTS CORPORATION'S plants and production facilities are modern and completely integrated. PER-FIT designs its own extrusions and has them produced to exacting specifications by the nation's leading aluminum manufacturers. Production capacity for 1955 provides for approximately 2000 windows per day and further plant additions to meet extremely heavy production demands in the future.

PER-FIT has grown because of its reputation for quality, service, integrity and honesty...PER-FIT is pledged to merit and maintain its position of leadership.

PER-FIT PRODUCTS CORPORATION
1216 EAST 52nd STREET • INDIANAPOLIS 5, INDIANA